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(d) maintenance of production schedule, and (e) increasing labor productivity. Utilization of equipment, production costs, and training of workers are also to be taken into consideration.

[A Stakhanovite Enterprise is presumably one in which all shops have achieved the above standards of performance. Example: "Section by section and shop by shop the Kalibr Plant mastered Stakhanovite methods, until last year it earned the right to be known as a Stakhanovite Enterprise." (Vechernyaya Moskva, 19 July 1950). The same source cites the Kalibr Plant as one of the two Stakhanovite Enterprises in Moscow.]

#### BEARING PLANT STRIVES FOR STAKHANOVITE RATING -- Kommunist, 19 Jul 50

The First State Bearing Plant imeni L. M. Kaganovich fulfilled the Five-Year Plan for gross production in 4 years and 3 months. The plan for the first half of this year has been fulfilled 102.2 percent and 16 million rubles have been saved above plan.

The personnel of the plant, however, consider their gains inadequate. They have resolved to become a Stakhanovite plant and to complete the 1950 plan by 21 December. They have pledged to give 20 million rubles of above-plan accumulation, to save 10 million rubles by introducing useful suggestions and inventions, and to save 1,000 tons of metal.

#### NEEDS ECONOMY DRIVE -- Moskovskaya Pravda, 25 Jul 50

Rejects at the First Bearing Plant have become a real production plague and no one is combating it. The basic cause of this situation is the haphazard organization of production, poor organization of labor, and the liberal attitude toward bunglers. In May and June, losses due to rejects in the roller shops amounted to 198,000 rubles.

It is the duty of the managerial personnel, party organizations, and trade unions to spur the entire mass of workers for a drive against rejects, for outstanding production, and for the elimination of nonproduction expenditures. Workers must be made aware of the importance of economy and incited, through socialist competition, to save raw and other material.

#### MANAGERS, MINISTRY MEN COLD TO HIGH-SPEED METHODS -- Trud, 23 Jul 50

D. Lappo, a high-speed lathe operator at the Chkalov Machine-Tool Plant, began using high-speed methods of metal cutting 2 years ago. In view of his achievements and those of other lathe operators who followed his example, it would seem that the plant management would have introduced high-speed methods throughout the plant. This did not happen. Although Lappo was assigned as instructor of high-speed methods in machine shops 6 days a month, in 1½ years, he actually worked in this capacity only 3 days a month. Usually, when it came time for him to assume this duty, Morosov, the shop chief would say, "You must not go. You have your own production assignment. We have our plan . . ."

Of course, the plant managerial personnel could put pressure on the shop chief, but how can they if they themselves are indifferent to advanced methods? In addition to this, plant reserves for accelerating rates of production are far from being fully utilized.

After a meeting with high-speed workers Bykov, Bortkevich, and Nezhenko in April 1950, and observing their high-speed methods of machining metal, Lappo wrote a special report which he planned to read to workers at

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the Chkalov Plant. Two months have passed but the report remains unread because "somehow we just don't have time to call a meeting of machine-tool operators," say the plant managerial personnel.

New types of cutters for high-speed cutting were brought from Moscow and tried at the Chkalov Plant. Excellent results were obtained, but Piterman, ex-director of the plant; Dudchenko, chief engineer; and Korotkov, deputy chief of the technical department have done nothing about organizing production of the new types of cutters. Neither have they done anything about changing present technology or introducing high-speed methods.

One should not be surprised, therefore, to know that there are only 16 high-speed machine-tool operators at the plant. As for high-speed sections or brigades, there are none.

The foundry, too, is not working well. Rejects here frequently reach 30 percent. The quality of castings could be considerably improved if advanced methods such as cold casting and centrifugal casting were introduced extensively. Cold casting is not practiced at all and centrifugal casting is used in the manufacture of only one item.

During this year, representatives from the Ministry of Machine-Tool Building visited the Chkalov Plant and, although they are interested in plant fulfillment and quality of products, they did nothing about insuring mass introduction of advanced methods. How can the Ministry tolerate the situation which exists at the Chkalov Machine-Tool Plant?

It is time that concrete measures were taken to provide for mass introduction of advanced methods and that Stakhanovite schools and technical groups be formed to study these methods.

#### NEW MACHINE TOOL FOR BEARING INDUSTRY -- Moskovskaya Pravda, 23 Jul 50

The Moscow Grinder plant has put out a new internal grinder for enterprises of the bearing industry.

#### SMOOTH OPERATION AT TBILISI PLANT -- Leningradskaya Pravda, 26 Jul 50

All machine-tool operators at the Tbilisi Stanok Plant are exceeding their norms. The output of machine tools has increased  $2\frac{1}{2}$  times in comparison with 1946 and labor consumption for basic products has decreased nearly three times.

During the past year, the speed of cutting metal has increased  $2\frac{1}{2}$  times. Hand scraping has been replaced by grinding, cold casting has been introduced, beds are installed by means of cranes, and electric-spark hardening of cutting tools is being introduced. The plant's shops operated according to schedule.

Introduction of advanced methods, proper organization of production, and systematic shipment of machine tools in the course of a month reduced considerably the store of materials and finished parts at the plant's warehouses.

#### MACHINE CHECKS 2,500 BEARINGS PER HOUR -- Leningradskaya Pravda, 19 Jul 50

A new bearing-checking automatic is being shown at an industrial exhibit in Leningrad. The machine can check and eliminate rejects from 2,500 roller bearings in one hour.

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WILL FREE EIGHT MACHINE TOOLS, 12 SKILLED WORKERS -- Pravda, 12 Jul 50

Prokopov, Solov'yev, and Kuntsevich are successfully perfecting precision threading of micrometer screws at the Kalibr Plant. In the near future, this will make possible the freeing of eight machine tools and 12 skilled workers for other operations.

CAST AND BRAZED TOOLS BETTER THAN FORGED BLANKS -- Vechernyaya Moskva, 13 Jul 50

The display of cast and brazed cutting tools at the Polytechnical Museum merits special attention. It represents many years of persevering work on the part of innovators in this field.

This type of tool makes possible a rapid decrease in the consumption of costly high-speed steel. When machining a cast too, chip waste is decreased many times in comparison with tools made of forged blanks. If a tool wears out or breaks, it can be resmelted and used over and over again in the casting of new parts. The expenditure involved in procuring new tools and the time spent in manufacturing them are considerably decreased. Cast-milling cutters, counterbores, drills, gear-wheel cutters, etc., can be made at any enterprise. Their durability and sturdiness are not less and sometimes even higher in comparison with indexes for tools made of forged blanks.

A huge saving of metal and a noticeable increase in tool durability is achieved by brazing high-speed steel on cutting edges of cutters, mills, hack saws, etc., made of inexpensive types of steel. In brazing high-speed on counterbores, 11 times less expensive metal is used than when they are made of high-speed steel alone. As to durability, the built-up tool is not in the least inferior.

DISPATCH 20 RECTIFIERS -- Moskovskaya Pravda, 23 Jul 50

The Moscow Electric Pump Plant has begun to put out mechanical electric rectifiers. Machine tools for cutting metal are equipped with them. The first shipment of 20 mechanical electric rectifiers has been consigned to the Minsk Machine-Tool Building Plant imeni Kirov.

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